Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/06/2021 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125082	0	3.73	124945	3.67
Blue	F	SSC	125000	123426	-2	5.23	123770	5.19
Blue	E	FITC	14400	13965	-4	3.90	320	15.74
Blue	D	PE	24713	24494	-1	3.60	560	11.26
Blue	B	PerCP-Cy5-5	31796	31304	-2	4.56	1033	15.07
Blue	A	PE-Cy7	21240	21226	-1	6.20	564	29.80
Red	C	APC	41319	41088	-1	4.13	1718	11.53
Red	A	APC-Cy7	21019	20533	-3	4.52	772	11.92
Violet	B	V450	7305	7061	-4	4.39	429	13.01
Violet	A	V500	28652	27404	-5	4.02	683	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23281	3.88	570	1	N/A	N/A	Pass
Blue	F	SSC	57077	4.25	521	9	N/A	N/A	Pass
Blue	E	FITC	59	52.95	494	3	0.0417	53	Pass
Blue	D	PE	119	37.07	492	5	0.4151	323	Pass
Blue	B	PerCP-Cy5-5	190	36.51	589	5	0.0194	63	Pass
Blue	A	PE-Cy7	113	70.42	636	6	0.0216	8	Pass
Red	C	APC	397	23.60	577	4	0.0295	184	Pass
Red	A	APC-Cy7	174	27.42	547	2	0.0065	1184	Pass
Violet	B	V450	60	63.54	452	-4	0.0549	2046	Pass
Violet	A	V500	99	35.45	465	-5	0.0235	821	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/06/2021 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.90	-31.55	1.08
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.64	15.99 - 23.99	N/A	N/A	29.76	30.22	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11667

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments